

Item No. 166**TOWN OF LAUDERDALE-BY-THE-SEA****AGENDA ITEM REQUEST FORM****Assistant Town Manager**

Department Submitting Request

John Olinzock

Dept Head's Signature

<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>	<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>	<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>
<input type="checkbox"/> Nov 10, 2009	Oct. 30 (5:00 p.m.)	<input type="checkbox"/> Jan 26, 2010	Jan 15 (5:00 p.m.)	<input checked="" type="checkbox"/> March 23, 2010	Mar 12 (5:00 p.m.)
<input type="checkbox"/> Dec 1, 2009	Nov 20 (5:00 p.m.)	<input type="checkbox"/> Feb 9, 2010	Jan 29 (5:00 p.m.)	<input type="checkbox"/> April 13, 2010	April 2 (5:00 p.m.)
<input type="checkbox"/> Dec 8, 2009	Nov 25 (5:00 p.m.)	<input type="checkbox"/> Feb 23, 2010	Feb 12 (5:00 p.m.)	<input type="checkbox"/> April 27, 2010	April 16 (5:00 p.m.)
<input type="checkbox"/> Jan 12, 2010	Dec 31 (5:00 p.m.)	<input type="checkbox"/> Mar 4, 2010	Feb 19 (5:00 p.m.)	<input type="checkbox"/> May 11, 2010	April 30 (5:00 p.m.)

NATURE OF AGENDA ITEM

- | | | |
|--|---|--|
| <input type="checkbox"/> Presentation | <input type="checkbox"/> Resolution | <input type="checkbox"/> New Business |
| <input type="checkbox"/> Report | <input type="checkbox"/> Ordinance | <input type="checkbox"/> Manager's Report |
| <input checked="" type="checkbox"/> Consent Agenda | <input type="checkbox"/> Public Hearing | <input type="checkbox"/> Attorney's Report |
| <input type="checkbox"/> Bids | <input type="checkbox"/> Old Business | <input type="checkbox"/> Other |

EXPLANATION: Jarvis Hall Interior Lighting Replacement**STAFF RECOMMENDATION:** N/A**BOARD/COMMITTEE RECOMMENDATION:** N/A**FISCAL IMPACT AND APPROPRIATION OF FUNDS:** TBD

- | | |
|---|--|
| <input type="checkbox"/> Amount | <input type="checkbox"/> Acct # |
| <input type="checkbox"/> Transfer of funds required | <input type="checkbox"/> From Acct # _____ |
| <input type="checkbox"/> Bid | <input type="checkbox"/> Grant <input type="checkbox"/> Amount represents matching funds |

DEFERRED TO APRIL 13, 2010 Commission MTG BY MAYOR
MINNET

Town Attorney review required

☐ Yes ☒ NoTown Manager's Initials: JO

Memo

03-30-10P04:08 RCVD

Date: 3/30/2010

To: Esther Colon, Town Manager

From: Don Prince, Director of Municipal Services

Re: Jarvis Hall Lighting

Please see attached quotes for Jarvis Hall Lighting parts only.

<u>Bidder</u>	<u>Price</u>
CED – Consolidated Electrical Distributor	\$699.00
Graybar	\$731.40
Hayden Electric Incorporated	\$928.00

Thank You

Don Prince/tw





1255 NORTHWEST 21st ST.
POMPANO BEACH FL 33069
Phone: 954-977-6800
Fax: 954-971-7029

To: Town of Lauderdale-By-The-Sea
4501 Ocean Drive
LAUDERDALE-BY-THE-SE FL 33308
Attn: DON PRINCE
Phone: 954-776-0576
Fax: 954-776-0094
Email: donp@lauderdalebythesea-fl.gov

Date: 03/25/2010
Proj Name: LAY-IN FIXTURES
GB Quote #: 210599049
Valid From: 03/25/2010
Valid To: 04/24/2010
Contact: David Michaud
Email: david.michaud@graybar.com

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

Item	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100	10 EA	LITHONIA LTG	2GT8 4 32 A12 MVOLT GEB10IS	2X4 GEN PURP T8 LNSD TRFR	\$73.14	1	\$731.40

GB Part #: 22114248 UPC #: 78423115002

Signed: _____

Total in USD (Tax not included): \$731.40

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR

Subject to the standard terms and conditions set forth in this document. Unless otherwise noted, freight terms are F.O.B. shipping point prepaid and bill.
Unless noted the estimated ship date will be determined at the time of order placement.

To: Town of Lauderdale-By-The-Sea
4501 Ocean Drive
LAUDERDALE-BY-THE-SE FL 33308
Attn: DON PRINCE

Date: 03/25/2010
Proj Name: LAY-IN FIXTURES
GB Quote #: 210599049

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

Item	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
------	----------	----------	-------------	-------------	-------	------	-----------

Terms and Conditions of sale:

1. ACCEPTANCE OF ORDER; TERMINATION - Acceptance of any order is subject to credit approval and acceptance of order by Seller and, when applicable, Seller's suppliers. If Buyer's credit becomes unsatisfactory to Seller, Seller reserves the right to terminate upon notice to Buyer and without liability to Seller.
2. PRICES AND SHIPMENTS - Unless otherwise quoted, prices shall be those in effect at time of shipment which shall be made F.O.B. shipping point, prepaid and bill.
3. RETURN OF GOODS - Credit will be allowed for goods returned with prior approval. A deduction will be made from credits issued to cover cost of handling.
4. TAXES - Prices shown do not include sales or other taxes imposed on the sale of goods. Taxes now or hereafter imposed upon sales or shipments will be added to the purchase price. Buyer agrees to reimburse Seller for any such tax or provide Seller with acceptable tax exemption certificate.
5. DELAY IN DELIVERY - Seller is not to be accountable for delays in delivery occasioned by acts of God, failure of its suppliers to ship or deliver on time, or other circumstances beyond Seller's reasonable control. Factory shipment or delivery dates are the best estimates of our suppliers, and in no case shall Seller be liable for any consequential or special damages arising from any delay in shipment or delivery.
6. WARRANTIES - Seller warrants that all goods sold are free of any security interest and will make available to Buyer all transferable warranties made to Seller by the manufacturer of the goods. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, AND SPECIFICALLY MAKES NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PURPOSE, UNLESS OTHERWISE AGREED IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF SELLER. PRODUCTS SOLD HEREUNDER ARE NOT INTENDED FOR USE IN OR IN CONNECTION WITH A NUCLEAR FACILITY.
7. LIMITATION OF LIABILITY - Buyer's remedies under this contract are subject to any limitations contained in manufacturer's terms and conditions to Seller, a copy of which will be furnished upon written request. Furthermore, Seller's liability shall be limited to either repair or replacement of the goods or refund of the purchase price, all at Seller's option, and in no case shall Seller be liable for special or consequential damages. In addition, claims for shortages, other than loss in transit, must be made in writing not more than five (5) days after receipt of shipment.
8. WAIVER - The failure of Seller to insist upon the performance of any of the terms or conditions of this contract or to exercise any right hereunder shall not be deemed to be a waiver of such terms, conditions or rights in the future, nor shall it be deemed to be a waiver of any other term, condition, or right under this contract.
9. MODIFICATION OF TERMS AND CONDITIONS - No terms and conditions other than those stated herein, and no agreement or understanding, in any way purporting to modify these terms or conditions, shall be binding on Seller without the Seller's written consent. Any additional or different terms in the Buyer's form are hereby deemed to be material alterations and notice of objection to them and rejection of them is hereby given.
10. REELS - When the Seller ships returnable reels, a reel deposit will be included in the invoice. The Buyer should contact the nearest Graybar service location to return reels.
11. CERTIFICATION - We hereby certify that these goods were produced in compliance with all applicable requirements of sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under section 14 thereof.
12. PAYMENT TERMS - Payment terms shall be as stated on our invoice or as otherwise mutually agreed. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, Mastercard, American Express and Discover credit cards are accepted at point of purchase only.

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR

Subject to the standard terms and conditions set forth in this document. Unless otherwise noted, freight terms are F.O.B. shipping point prepaid and bill.
Unless noted the estimated ship date will be determined at the time of order placement.

PHONE (954) 946-9220
(954) 946-9221
(954) 527-0070
FAX (954) 946-9224

Hayden Electric Incorporated

561 SW 9TH TERRACE
POMPANO BEACH, FL 33069

FAST DEPENDABLE SERVICE - REPAIRS - NEW CONSTRUCTION - COMMERCIAL & INDUSTRIAL
Serving South Florida since 1969 - State License EC13001266

CONTRACT FOR ELECTRICAL WORK

TO: Town of Lauderdale By the Sea
4501 Ocean Drive
Lauderdale By The Sea, FL 33308
Attn: Don Prince

Date: March 24, 2010

We are pleased to submit our bid on the following electrical work: Supply Light Fixture

To be located at: SAME

Work to be done according to plans by:

All material and work to be in accordance with the National Electrical Code and subject to the following conditions of contract.

1. SCOPE OF WORK - Unless specifically stated otherwise in this contract, the scope of work covered by this contract is limited to that work specifically covered by the electrical drawings and the electrical section of the specifications.
2. ADDITIONAL WORK OR CHANGES - Additional work or changes may be ordered by the customer at any time, for which the customer agrees to pay in addition to the contract price named herein at a price agreed upon or at our regular rates for time and material work. Standard rate time is \$65.00 per hour per man plus material at trade service price.
3. CONTRACTOR PAYMENTS - The electrical contractor shall not be required to proceed with the installation of the work if the payments applying on same have not been made as specified in the contract.
4. This contract is void if not accepted in writing within 10 days after this date.
5. Accounts not paid in (30) days are subject to a service charge of 1 1/2% per month or maximum allowed by law. Any costs, including reasonable attorney fees, incurred as a result of nonpayment will be sustained by customer.
6. Title to material and equipment to remain in Hayden Electric Incorporated name until fully paid.
7. ☒ A. Copper wire is figured in this contract at today's market price. At time of installation a pricing adjustment will have to be made to bring it to current value.
☐ B. Aluminum wire with proper termination and conduit size adjustments are figured in this contract.
8. Permit fees and surety bonds are extra to quote and are to be paid by the customer.
9. This contract shall be recognized and supercede any and all other contractual obligations whether signed or attached as part of any other contracts supplied by others.
10. Hayden Electric, Inc. reserves the right to stop and cease all electric work if payments are not received by the terms of this contract and stated here within.

(Specifications)

Supply (10) 2'X4' lay-in light fixtures
Fixtures to have (4) F32T8 lamps and (2) ballasts

Includes lamps and delivery of fixtures to above address

Note: Fixtures have to be ordered, allow two to four weeks for delivery

We hereby purpose to furnish and install the above complete in accordance with the above specifications for the sum of
Nine Hundred Twenty Eight Dollars and 00/00 **\$928.00**

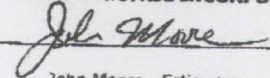
Payments to be made as follows: **Net 30 Days**

Fixtures (furnished by others) will be installed if fixtures are on job at time of electrical trim out. All material used in this contract are guaranteed to be as specified and the entire job is to be done in a neat and workman like manner.
AGREEMENTS WITH OUR MECHANICS WILL NOT BE RECOGNIZED.

Accepted by: _____

Date: _____

HAYDEN ELECTRIC INCORPORATED


John Moore - Estimator

PHONE 954-946-9220
954-527-0070
FAX 954-946-9224

561 S.W. 9TH TERRACE
POMPANO BEACH, FL
33069

EC 13001266



FAX COVER SHEET

Fax # (954) 946-9224

To: Theresa P. Lauderdale by the Sea Date: 3-24-10

Attention: Don Prince Fax: _____

From: Tom Moore

Attached you will find 1 pages plus this cover sheet.

PURPOSE OF THIS TRANSACTION

☐ To Place _____ order

☐ For your information

☐ Request for quotation

☐ To check delivery

☒ Quotations

☐ To check stock on the following

These Fixtures have Acrylic lens

☐ Please advise ASAP

☐ No reply necessary

☐ Please acknowledge receipt of this FAX

**INFORMATION
PREVIOUSLY SUBMITTED**

Memo

Date: 3/11/2010

To: Esther Colon, Town Manager

From: Don Prince, Director of Municipal Services

Re: Jarvis Hall Lighting

Please see attached quotes for Jarvis Hall Lighting. Al Siefert Electric has submitted the lowest bid They are to supply and install (10) T8 Lamp Fluorescent lay in fixtures with a dual blast using existing power.

<u>Bidder</u>	<u>Price</u>
Al Siefert Electrical ✓	\$ 1,863.43
Mr. Electric & Associates, Inc.	\$ 2,460.00
Imperial Electrical, Inc.	\$ 2,568.00

Thank You

Don Prince/tw

Purchased Poking - 18 H.

2. All procurements of goods and/or services, as well as award of contracts and related change orders, that do not exceed fifteen thousand dollars (\$15,000) must be approved as follows:
 - a. Procurements not exceeding one thousand dollars (\$1,000) must be approved by the director of the LBTS department whose budget will be charged for the expenditure provided;
 - i. the LBTS department director may delegate the authority to procure supplies not in excess of \$50 to subordinates approved in advance by the Town Manager,
 - ii. a minimum of three (3) informal quotations are obtained as described in Section III. C. below for each procurement between five hundred (\$500) and one thousand dollars (\$1,000).
 - b. Procurements over one thousand dollars (\$1,000) but less than five thousand dollars (\$5,000) must be approved by the LBTS Purchasing Administrator designated in advance by the Town Manager after written quotes are obtained from a minimum of three (3) vendors.
 - c. Procurements between five thousand dollars (\$5,000) and fifteen thousand dollars (\$15,000) must be approved by the Town Manager after written quotes are obtained from a minimum of three (3) vendors.
 - d. For any procurements individual, group of, or all procurements described in Section III. B.2., the Town Manager has the discretion to impose additional purchasing requirements. The additional purchasing requirements that the Town Manager may impose include, but are not limited to, the use of formal bidding, the appointment of a bid specification/selection committee, or the assignment of any individual to assist with any purchase.
 - e. Expenditures may be made from the petty cash fund providing that payments do not exceed \$50 for any one purchase. Petty Cash funds should be used to avoid the time and expense of issuing purchase orders for items totaling fifty dollars (\$50) or less.



To: Don 02-003



DATE: 2/1/10

TOWN OF LAUDERDALE-BY-THE-SEA
4501 Ocean Drive
Lauderdale-By-The-Sea, FL 33308-3601
Phone: 954-776-0576 Fax: 954-776-0578

CITIZEN CONTACT CENTER FORM

Citizen Name:	Mayer Minnet
Address Line 1:	
Address Line 2:	
Phone:	C: 954-326-0594

Issue:

Re: Lighting in Jarvis Hall
(very dim + dark)

Action Requested:

Please check to see
if they are all working.
New bulbs installed/Replaced

02-02-10A08:52 RCVD

phone msg. -

02-11-10 A11:43 OUT

Proposals Received

PROPOSAL
Al Siefert Electric
2319 SE 10th Street
Pompano Beach, FL 33062-7006

License #EC0002423

Phone: (954) 493-9411

Fax: (954) 493-8855

PROPOSAL SUBMITTED TO:

Town of Lauderdale-By-The-Sea

Attn: Don Prince

STREET:

4501 N. Ocean Drive

CITY, STATE AND ZIP CODE:

Lauderdale-By-The-Sea, FL 33308

ARCHITECT:

PHONE:

954-776-0576

DATE:

03-10-10

JOB NAME:

Town of Lauderdale-By-The-Sea

JOB LOCATION:

4501 N. Ocean Drive - LBTS

DATE OF PLANS:

JOB PHONE:

We hereby submit specifications and estimates for the following electrical installation:

Supply and install ten (10) 2x4 4-lamp TB fluorescent lay-in fixtures with dual ballast using existing power.

The work above is to be done during normal business hours Monday through Friday.

The permit fees and charges for any electrical calculations, if required by the City, are not included since these are unknown amounts and need to be billed separately.

It is the responsibility of the owner to make the premises available for all inspections.

No other discounts or coupons apply.

We Propose hereby to furnish Material and Labor - Complete in accordance with above specifications, for the sum of:

One thousand eight hundred sixty three and ----- 43/100 dollar (\$1,863.43).

Payment to be made as follows:

Due in Full upon Completion.

TERMS AND CONDITIONS: The terms and conditions on the reverse side of this document are expressly incorporated in to this Agreement.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workers Compensation Insurance.

Authorized Signature

Al Siefert For AL SIEFERT

NOTE: This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. Signature attests Customer's acknowledgement of his/her responsibility to make job site available for necessary inspections by the Building Department. Service of Notice to Owner in accordance to Section 713.06 Florida Statutes is hereby acknowledged.

Authorized Signature _____

Additional Proposal/Agreement Provisions on Reverse

Mr. Electric & Associates Inc.

4053 Peters Road
Plantation, FL 33317
Phone: 954/792-5710
Fax: 954/792-5710
Email: Jason@mrelec.com
STATE LICENSE NO. EC 0000724

PROPOSAL/CONTRACT

Proposal Submitted to:

Town of Lauderdale By The Sea
4501 Ocean Drive
Lauderdale By The Sea, FL 33308
Attn: Don / Mike

Description of Job:

Re-Lighting
Phone: 954-776-0576
Fax: 954-776-0094
March 5, 2010

Mr. Electric proposes to provide plans suitable for permit. Provide permit labor and material to disconnect and remove the existing (10) 60W light fixtures in the ceiling of the commission chamber. Utilize existing circuitry and add (3) single switches to control the new lighting. Provide and install (18) 2 x 4 lay in fixtures. I am uncertain of the fixture type required so I provided a cut sheet of three different styles of fixtures for your review. I did not include new fixtures at the council members desk, I assumed you were going to keep the track with the LED heads.

All work will be performed according to the National Electrical Code and the Florida Building Codes. Please note the following items:

1. I assume the city will waive the permit fee.
2. I assume the city will provide and record the Notice of Commencement.
2. All work completed during normal business hours.

BASE BID Using Acrylic Lay In Fixtures - \$ 4,440.00
BASE BID Using Parabolic Lay In Fixtures - \$ 4,800.00
BASE BID Using Soft Trace Lay In Fixtures - \$6,160.00

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alterations or deviations from the above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the selling price.

Authorized Signature: Ken J. Kotrady
Ken J. Kotrady, President

PROPOSAL CONTACT/MR. ELECTRIC

TERMS AND CONDITIONS OF THIS CONTRACT

It is expressly understood and agreed that the title to the equipment and material used in this agreement and provided by the Seller is retained by SELLER and same shall not pass or become vested in the PURCHASER until the entire purchase price has been paid. Said equipment and materials shall be and remain personal property and retain its character as such, and PURCHASER shall not attach or affix said property to any realty so that it loses its character as personal property. The purchase price shall be due and payable as provided under "TERMS" above, and upon the failure of the purchaser to make any payment on the due date to the SELLER, the SELLER may declare the entire balance of the purchase price due and payable. In case of default, PURCHASER shall pay all costs and damages, including repossessing the described equipment and materials, or foreclosing upon any Mechanic's Liens placed upon the real property, whether suit be brought or not. The SELLER will be entitled to interest on the unpaid balance at 18% per year 1 1/2% per month calculated 30 days from the invoice date. PURCHASER hereby waived presentments, demand, and all other prerequisites required to make liable. No warranties, representations, or promises, not appearing in writing in this contract will be recognized. This agreement shall not be considered executed or binding to the SELLER until accepted by an authorized officer of the SELLER. All agreements are contingent upon strikes, accidents, acts of God, or delay of any kind unavoidable or beyond our control.

SELLER is responsible to PURCHASER only for the installation and materials contained herein.

Having read the foregoing PROSOSAL/CONTRACT, I hereby indicate my acceptance of the conditions and terms set forth by signing in the space provided below.

ACCEPTED BY:

PURCHASER OR NAME OF COMPANY

BY: _____
SIGNATURE/TITLE

DATE: _____

(Please Print Name)

APPROVED BY:

MR. ELECTRIC

BY: _____
President

DATE: _____

KEN J. KOTRADY
Please Print Name

PROPOSAL

IMPERIAL ELECTRICAL INC,
11821 NW 11 STREET-PLANTATION, FL 33323
SINCE 1969

(954)325-2133

FAX (954)938-0530

Submitted To		Project Location	
Name	Lauderdale By The Sea	Name	Counsel Chambers
Street		Street	
City/State		City/State	
Tele Num.		Plans Date	
Date	2/19/2010		

We hereby propose to furnish the following materials and perform the labor necessary for the completion of:

Replace existing incandesent fixtures with energy efficient T-8 flouresent fixtures

PRICE INCLUDES:

Remove 20 fixtures

Install 10 new 2x4 flouresent 4 lamp T-8 lamps

Dual Ballast Fixtures

Wire and conduit

Permit

Material

Mark-up

Permit fees

15%

\$ 1,020.00

\$ 153.00

\$ 100.00

DOES NOT INCLUDE

FPL or Bell South charges

Patch

Overtime wages

Existing code violation repairs

Labor

37 hrs

\$ 1,295.00

All materials guaranteed to be specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work completed in a substantial workmanlike manner for the sum of:

TOTAL QUOTE

\$ 2,568.00

Respectfully submitted _____
IMPERIAL ELECTRICAL INC.

Any alteration or deviation from the above specifications involving extra costs will be executed only upon written order and will become an extra charge over and above the estimate. All agreements contingent upon strikes accidents or delays beyond our control. Owner to carry fire, wind, storm and other necessary insurance upon above work.

Note: This proposal may be withdrawn by us if not accepted within _____ days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Date _____ Signature _____

Mr. Electric & Associates Inc.

4063 Peters Road
Plantation, FL 33317
Phone: 954/782-5710
Fax: 954/782-5710
Email: Jason@mmelec.com
STATE LICENSE NO. EC 0000724

PROPOSAL/CONTRACT

Proposal Submitted to:

Town of Lauderdale By The Sea
4501 Ocean Drive
Lauderdale By The Sea, FL 33308
Attn: Don / Mike

Description of Job:

Re-Lighting
Phone: 954-776-0576
Fax: 954-776-0094
March 5, 2010

Mr. Electric proposes to provide plans suitable for permit. Provide permit labor and material to disconnect and remove the existing (10) 60W light fixtures in the ceiling of the commission chamber. Utilize existing circuitry and add (3) single switches to control the new lighting. Provide and install (18) 2 x 4 lay in fixtures. I am uncertain of the fixture type required so I provided a cut sheet of three different styles of fixtures for your review. I did not include new fixtures at the council members desk. I assumed you were going to keep the track with the LED heads.

All work will be performed according to the National Electrical Code and the Florida Building Codes. Please note the following items:

1. I assume the city will waive the permit fee.
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2. All work completed during normal business hours.

BASE BID Using Acrylic Lay in Fixtures - \$ 4,440.00
BASE BID Using Parabolic Lay in Fixtures - \$ 4,800.00
BASE BID Using Soft Trace Lay in Fixtures - \$6,160.00

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alterations or deviations from the above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the selling price.

Authorized Signature: Ken J. Kotrady
Ken J. Kotrady, President

Page 1 of 2

Only 10 fixtures in
4440*18 = \$246
\$246 x 10 = \$2,460

PROPOSAL CONTACT/MR. ELECTRIC

TERMS AND CONDITIONS OF THIS CONTRACT

It is expressly understood and agreed that the title to the equipment and material used in this agreement and provided by the Seller is retained by SELLER and same shall not pass or become vested in the PURCHASER until the entire purchase price has been paid. Said equipment and materials shall be and remain personal property and retain its character as such, and PURCHASER shall not attach or affix said property to any realty so that it loses its character as personal property. The purchase price shall be due and payable as provided under "TERMS" above, and upon the failure of the purchaser to make any payment on the due date to the SELLER, the SELLER may declare the entire balance of the purchase price due and payable. In case of default, PURCHASER shall pay all costs and damages, including repossessing the described equipment and materials, or foreclosing upon any Mechanic's Liens placed upon the real property, whether suit be brought or not. The SELLER will be entitled to interest on the unpaid balance at 18% per year 1 1/2% per month calculated 30 days from the invoice date. PURCHASER hereby waived presentments, demand, and all other prerequisites required to make liable. No warranties, representations, or promises, not appearing in writing in this contract will be recognized. This agreement shall not be considered executed or binding to the SELLER until accepted by an authorized officer of the SELLER. All agreements are contingent upon strikes, accidents, acts of God, or delay of any kind unavoidable or beyond our control.

SELLER is responsible to PURCHASER only for the installation and materials contained herein.

Having read the foregoing PROSOSAL/CONTRACT, I hereby indicate my acceptance of the conditions and terms set forth by signing in the space provided below.

ACCEPTED BY:

PURCHASER OR NAME OF COMPANY

BY:

SIGNATURE/TITLE

DATE:

(Please Print Name)

APPROVED BY:

MR. ELECTRIC

BY:

President

DATE:

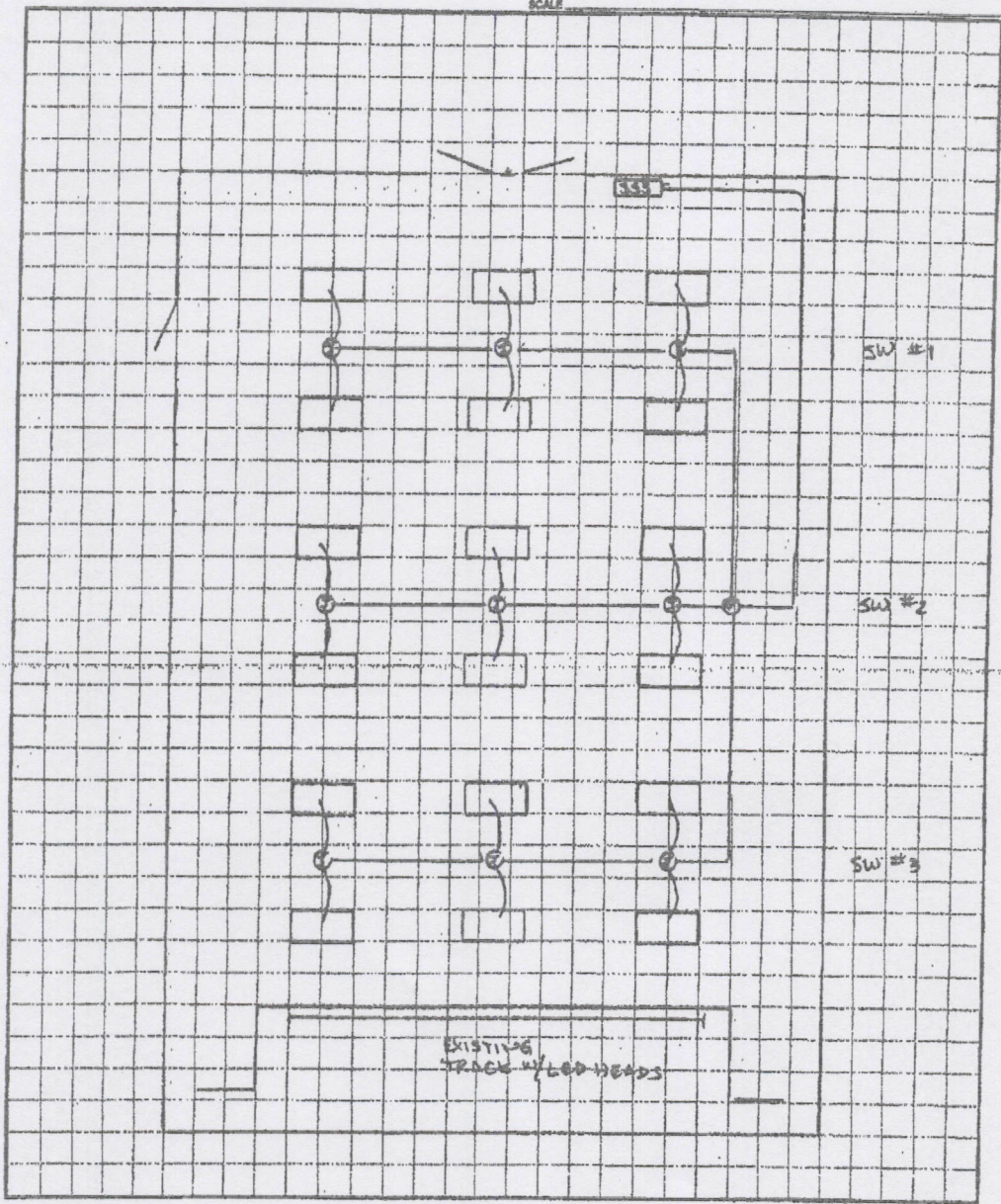
KEN J. KOTRADY

Please Print Name

Mr. Electric
 4053 Peters Road
 PLANTATION, FLORIDA 33317
 (954) 792-5710 • (954) 792-5710

LAUDERDALE BY THE SEA
 COMMISSION CHAMBER
 MEETING ROOM

SCALE



FIXTURE TYPE 1

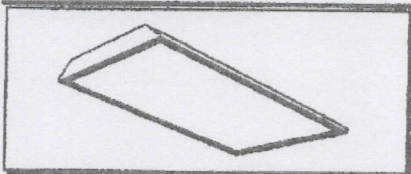
Day-Brite® Lighting

2' x 4' TG8

2, 3, or 4 Lamp

T8

Prismatic Acrylic Lens



CONSTRUCTION/FINISH

- A quality low-profile troffer with specification features for NEMA "G" grid, NEMA "NFG" narrow face grid, NEMA "GR" grid recessed, NEMA "NFG" narrow faced slot grid, or NEMA "F" flange ceiling types.
- Designed around T8 lamps.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Lamp pin openings in housing ends for easier relamping (can be relamped without using openings).
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- On T8 models, a single lamp can be changed without disturbing other lamps or wiring cover.
- 7/8" K.O.'s provided in each end cap for through wiring.

- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

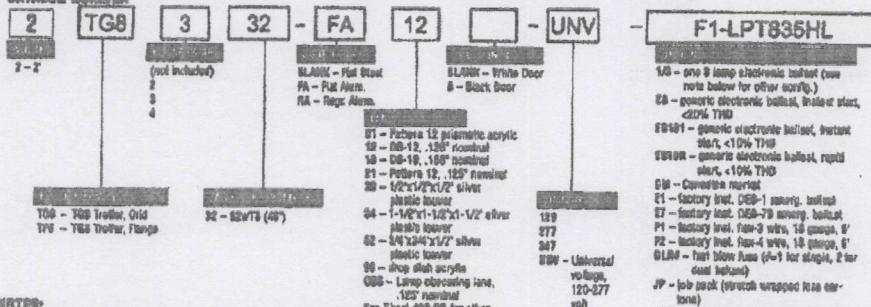
ELECTRICAL

- Class P, HPF ballasts comply with ⑥ Federal Ballast Law (Public Law 100-357, 1988).
- UL listed, suitable for damp locations. Canadian certified optional.
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations.
- Rotating ring locking lampholder is standard for secure and positive retention of lamps.

ENCLOSURES

- Full "C" channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

CATALOG NUMBER



NOTES:

- With generic Electronic Ballast (Standard selected by Day-Brite)
 - See Catalog # 1000 - Ballast Selection - for Ballast Selection
 - See Sheet 423-GR for other options.
- Examples: -128-28 = One 2 Lamp Electronic Ballast.
 Examples: -128-28 = One 3 Lamp Electronic Ballast.
 Examples: -128-28 = One 2 Lamp Electronic Ballast and One 1 Lamp Electronic Ballast.

Examples: -128-28 = One 4 Lamp Electronic Ballast.
 Examples: -228-28 = Two 2 Lamp Electronic Ballasts.

JOB INFORMATION

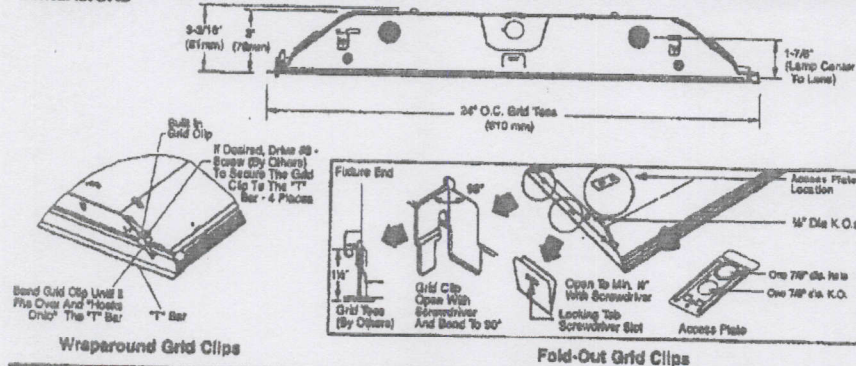
425.3-SR

JOB NAME:
TYPE:

2' x 4' 2 LAMP

DIMENSIONS

Day-Drum Lighting



PHOTOMETRIC DATA

CANDLING # 216623-01-V2-EB
YEAR #22016LAMP# = F3278
BALLAST = ELECTRONICREFR. INDEX = 50
BALLAST FACTOR = .85

LER = FL-74

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.24 BASED ON 3000 HRS. AND \$0.09 PER KWH.

FUTURE EFFICIENCY = 87.1%

Angle	Dist	40	5000
0	1634	1634	1634
10	1634	1634	1634
20	1634	1634	1634
30	1634	1634	1634
40	1634	1634	1634
50	1634	1634	1634
60	1634	1634	1634
70	1634	1634	1634
80	1634	1634	1634
90	1634	1634	1634

MAINTAINING MAINTENANCE TABLE - Square Feet/Footcandle*

Room Area	Room Height	Room Area	Room Height
100 sq ft	8 ft	100 sq ft	8 ft
200 sq ft	8 ft	200 sq ft	8 ft
300 sq ft	8 ft	300 sq ft	8 ft
400 sq ft	8 ft	400 sq ft	8 ft
500 sq ft	8 ft	500 sq ft	8 ft

AVERAGE LUMINANCES

Room Area	Room Height	Room Area	Room Height
100 sq ft	8 ft	100 sq ft	8 ft
200 sq ft	8 ft	200 sq ft	8 ft
300 sq ft	8 ft	300 sq ft	8 ft
400 sq ft	8 ft	400 sq ft	8 ft
500 sq ft	8 ft	500 sq ft	8 ft

TYPICAL V.C.P.'s

Room Area	Room Height	Room Area	Room Height
100 sq ft	8 ft	100 sq ft	8 ft
200 sq ft	8 ft	200 sq ft	8 ft
300 sq ft	8 ft	300 sq ft	8 ft
400 sq ft	8 ft	400 sq ft	8 ft
500 sq ft	8 ft	500 sq ft	8 ft

COEFFICIENT OF UTILIZATION

Room Area	Room Height	Room Area	Room Height
100 sq ft	8 ft	100 sq ft	8 ft
200 sq ft	8 ft	200 sq ft	8 ft
300 sq ft	8 ft	300 sq ft	8 ft
400 sq ft	8 ft	400 sq ft	8 ft
500 sq ft	8 ft	500 sq ft	8 ft

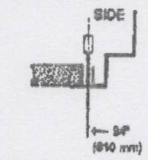
LIGHT DISTRIBUTION

Room Area	Room Height	Room Area	Room Height
100 sq ft	8 ft	100 sq ft	8 ft
200 sq ft	8 ft	200 sq ft	8 ft
300 sq ft	8 ft	300 sq ft	8 ft
400 sq ft	8 ft	400 sq ft	8 ft
500 sq ft	8 ft	500 sq ft	8 ft

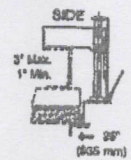
2 7 G 8 2 32
CEILING TYPE

G = GRID (NEMA G)

F = FLANGE (NEMA F)



(NEMA Type G)
Lay-in acoustical ceilings
using exposed grid suspension,
with legs for fixtures on
34" x 48" spacing.



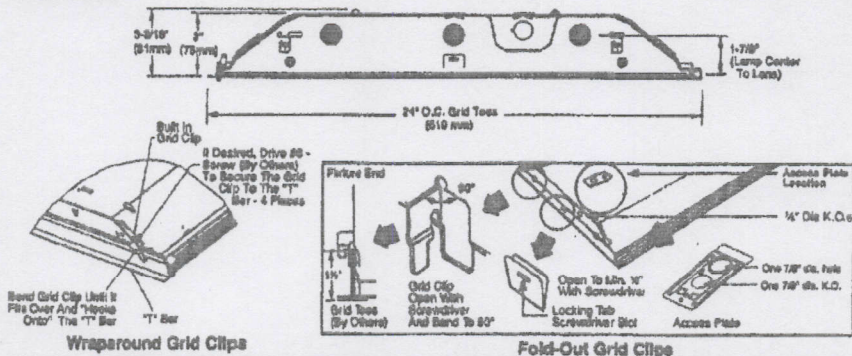
(NEMA Type F)
Flange for acoustical ceilings
using concealed mechanical suspension.
Bring-jack mounting
brackets; adjustment of max. and
1" min. Refer to sheet 801-CL for
out-out information.

425.3-SR

Easy-Write Lighting

2' x 4' 3 LAMP

DIMENSIONS



PHOTOMETRIC DATA CENL00 # 216R32-01-16-R5 LAMPS = R32T8 INPUT WATTS = 94 LER = FL-76
 TEST #22321 0.00011.4 BALLAST = ELECTRONIC BALLAST FACTOR = .86

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$6.18 BASED ON 3000 HRS. AND \$0.08 PER KWH.

FACTURE EFFICIENCY = 84.5%

CANDLAPOWER				
Angle	Dist	cd	lm	lm/ft²
0	2700	2700	1700	
5	2700	2700	1684	
10	2700	2700	1668	
15	2700	2700	1652	
20	2700	2700	1636	
25	2700	2700	1620	
30	2700	2700	1604	
35	2700	2700	1588	
40	2700	2700	1572	
45	2700	2700	1556	
50	2700	2700	1540	
55	2700	2700	1524	
60	2700	2700	1508	
65	2700	2700	1492	
70	2700	2700	1476	
75	2700	2700	1460	
80	2700	2700	1444	
85	2700	2700	1428	
90	2700	2700	1412	

MAINTAINED ILLUMINATION TABLE - Square Feet/Footcandle*				
* 80-90-100 Footcandle (Kilowatt-Hour) Footcandle				
* L.F. = 0.75 3000 (lumens/lamp) very close				
* Room width divided by room height = 5 ft room, 2 or 1				
Picture Size	Room Height	10 ft	15 ft	20 ft
8 ft	5	114	57	40
10 ft	2	132	67	48
12 ft	1	150	77	56

AVERAGE ILLUMINANCE TABLE WITH 2000 LUMEN LAMPS				
Room Size	Room Height	10 ft	15 ft	20 ft
40	5	414	214	144
60	5	264	139	94
80	5	194	104	69
100	5	154	84	54
120	5	124	64	44
140	5	104	54	39
160	5	84	44	34
180	5	74	39	30
200	5	64	34	26

COEFFICIENT OF UTILIZATION				
Room	Room Height	10 ft	15 ft	20 ft
40	5	114	57	40
60	5	132	67	48
80	5	150	77	56
100	5	168	87	64
120	5	186	97	72
140	5	204	107	80
160	5	222	117	88
180	5	240	127	96
200	5	258	137	104

LIGHT DISTRIBUTION				
Room	Room Height	10 ft	15 ft	20 ft
40	5	114	57	40
60	5	132	67	48
80	5	150	77	56
100	5	168	87	64
120	5	186	97	72
140	5	204	107	80
160	5	222	117	88
180	5	240	127	96
200	5	258	137	104

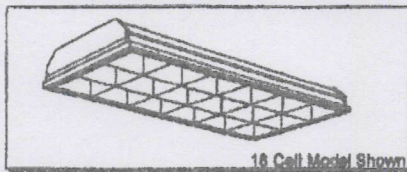
10 = 10' x 10' x 10' TYPICAL ROOM 15 = 15' x 15' x 15' TYPICAL ROOM 20 = 20' x 20' x 20' TYPICAL ROOM
 10 = 10' x 10' x 10' TYPICAL ROOM 15 = 15' x 15' x 15' TYPICAL ROOM 20 = 20' x 20' x 20' TYPICAL ROOM

425.3-SR

FIXTURE TYPE 2

Day-Brite Lighting

2' x 4' LP3 PARALOUVER



**3 Lamp T8
18 or 24 Cell**

APPLICATION

- Low-brightness troffer for most ceilings:
 - Grid inverted T (NEMA "G")
 - Flange-type for concealed mechanical suspension (NEMA "F")
 - Modular and "Z" spline (NEMA "WZ")
- Designed for air supply/return through side slots and/or heat transfer. Select the appropriate catalog no. for air function desired. Air pattern control blades in side slots must be ordered as an option. Air boots by others.
- Excellent visual comfort and inconspicuous appearance.

CONSTRUCTION/FINISH

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Flat black finish inside perimeter reveal for "floating door" appearance.
- Built in (UL listed, patented) grid clips designed for use with standard 1-1/2" high grid ceiling members.
- Standard wireway cover is designed to accommodate small can ballasts. Use of emergency ballasts or specification of ballasts other than generic ballasts may require the use of a larger wireway cover.
- "Deep" wireway cover may be specified when ordering.
- One wireway cover standard, two optional.

ELECTRICAL

- Class P, HPF ballasts comply with Federal Ballast Law (Public Law 100-367, 1988).
- UL listed for damp locations. Canadian certified optional.
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations. Bodine LP series emergency ballasts are recommended for use with the standard wireway cover. DEB series emergency ballasts may be used with the larger wireway cover.

ENCLOSURES

- Parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.
- Choice of semi-specular (AL) or specular (FL) low brightness anodized aluminum, or white (W) louver finishes.
- 18 Cell: Lengthwise shielding is 19". Crosswise shielding is 36".
- 24 Cell: Lengthwise shielding is 25". Crosswise shielding is 36".
- Bottom aluminum flange has milled corners and fits flush with ceiling.
- Can be hinged and latched from either side.
- Shipped with plastic film to keep out construction dirt.
- Guide-post spring loaded latches standard.

CATALOG NUMBER									
2	LP3	G	S	3	32	-	36	AL	- UNV - F1-LPT830
2 - 2'	F - Flange G - Grid Z - Z Spline Modular		(not included) S		32 - 32x18 (48") 36 - 36x18 (48") 36 - 36x24 (72")		AL - Semi-Specular Low Brightness Anodized Aluminum FL - Full Specular Low Brightness Anodized W - Painted White	180 277 347 UNV - Universal voltage, 120- 277 volt	F1 - 1 wireway cover APG - Adjustable Air Pattern Control Grids ABS - Air Slot Closure DWC - Deep wireway cover(s) See Section 1600-CA for Option info.

NOTES:

- With generic Electronic Ballasts (Brand selected by Day-Brite)
- Select Catalog # with Ballast Quantity = / - # of Lamps per Ballast.
- Example: -1/2-30 = One 3 Lamp Electronic Ballast.
- Example: -1/2-30 = One 2 Lamp Electronic Ballast and One 1 Lamp Electronic Ballast.

JOB INFORMATION

253.2-PLV

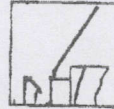
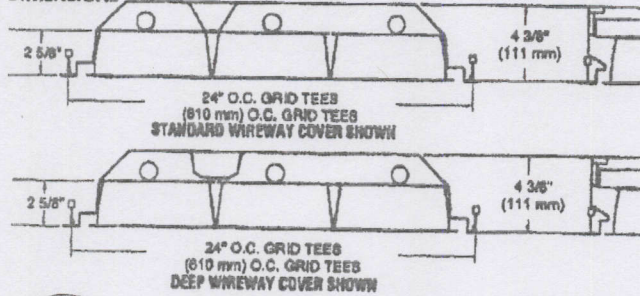
Job Name:

Type:

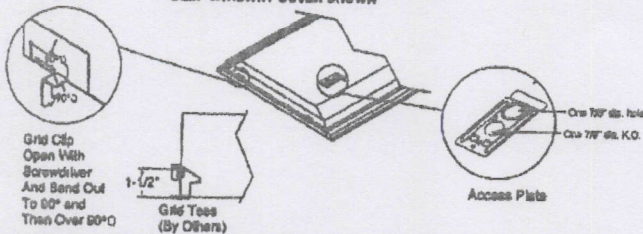
2' x 4' 3 LAMP LP3 PARALOUVER

Day-Brite Lighting

DIMENSIONS

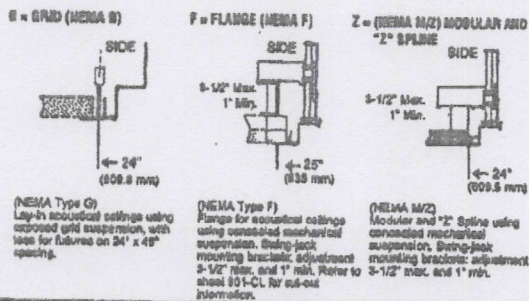
Optional Air Pattern Control
(on Air and Combination Units)

- Fully adjustable
 - Closed-Static
 - 45° Horizontal Air Supply
 - 90° (fully open) - Vertical Air Supply
- Side Sills may also be used for Return Air to Plenum
- Snap-in Air Sill Covers (ASC) also available



2 LP3 G S 3 32

CEILING TYPE



FOR PHOTOMETRIC TESTS ON WHITE LOUVERS ASK FOR TEST #3:

18 CELL - 20634

24 CELL - 20840

NVLAP

The photometric results were obtained in the Day-Brite Lighting Laboratory which is NVLAP accredited by
the National Institute of Standards and Technology.

253.2-PLV



2' x 4' 18 CELL LP3 PARALOUVER

PHOTOMETRIC DATA

CATALOG # 2/PCS332-35L-10-ES LAMPS = F32 T8
TYPICAL 2000H
EFFECTIVE 1.7 BALLAST = ELECTRONIC
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$6.91 BASED ON 3000 HRS. AND \$0.09 PER KWH

INPUT VOLTS = 90
BALLAST FACTOR = .95

LER = FP-63

FOOTCAND EFFICIENCY = 75.7%

CANDLEPOWER

Angle	Beam	40	60	80
0	100	100	100	100
10	100	100	100	100
20	100	100	100	100
30	100	100	100	100
40	100	100	100	100
50	100	100	100	100
60	100	100	100	100
70	100	100	100	100
80	100	100	100	100
90	100	100	100	100

MAINTENANCE INFORMATION TABLE - Square Foot/Footcandle*

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

*Based on 1 footcandle per square foot for general applications

AVERAGE LUMINANCE

WITH 2000 LUMEN LAMPS

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

LP = 35 LP 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR
LP = 35 LP 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR

TYPICAL V.C.P.'s

Measuring Height

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

Coefficient of Utilization

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

Light Distribution

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

PHOTOMETRIC DATA

CATALOG # 2/PCS332-35L-10-ES LAMPS = F32 T8
TYPICAL 2000H
EFFECTIVE 1.7 BALLAST = ELECTRONIC
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$6.91 BASED ON 3000 HRS. AND \$0.09 PER KWH

INPUT VOLTS = 90
BALLAST FACTOR = .95

LER = FP-60

FOOTCAND EFFICIENCY = 72.2%

CANDLEPOWER

Angle	Beam	40	60	80
0	100	100	100	100
10	100	100	100	100
20	100	100	100	100
30	100	100	100	100
40	100	100	100	100
50	100	100	100	100
60	100	100	100	100
70	100	100	100	100
80	100	100	100	100
90	100	100	100	100

MAINTENANCE INFORMATION TABLE - Square Foot/Footcandle*

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

*Based on 1 footcandle per square foot for general applications

AVERAGE LUMINANCE

WITH 2000 LUMEN LAMPS

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

LP = 35 LP 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR
LP = 35 LP 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR LP = 1000 LUMEN FACTOR

TYPICAL V.C.P.'s

Measuring Height

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

Coefficient of Utilization

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

Light Distribution

Room Size	Room Height	10' x 10'	10' x 12'	12' x 12'	12' x 14'	14' x 14'
10' x 10'	8	100	75	50	37	25
10' x 12'	8	133	100	67	50	37
12' x 12'	8	150	113	75	50	37
12' x 14'	8	167	125	83	50	37
14' x 14'	8	178	133	89	50	37

253.2-PLV



2 Lamp
T5, T5HO, or T8

- Subtle enclosure curves provide architectural styling to complement any space.
- Smooth brightness across the face of the luminaire prevents glare and provides excellent visual comfort.
- Directs a controlled amount of light to higher angles to eliminate "cave effect" without creating glare.
- Ideal for modern offices, schools and retail environments.
- Excellent optical efficiency and luminaire efficacy provide significant energy savings.
- Many ballast/dump systems are available, providing flexibility to tailor the luminaire to specific applications.
- Step dimming ballasts can be switched to less than 60% input power for energy savings to meet most energy codes while maintaining symmetrical illumination.
- Grid, Flange or Zipline/ Modular models available.

- Suitable for end-to-end mounting.
- End K.O.s for thru wiring or conduit entry in shallow plenums.

- UL listed for damp locations. Canadian certified optional.
- Emergency ballasts can be incorporated, UL listed for dry locations.
- Systems are available offering electrical system efficacy ratings up to 102 Lumens/Watt.
- Total luminous efficacy as high as 88 LPW.

- Center section is flush with outer panels, eliminating the dirt and debris collection typical of suspended "baskets."
- One-piece enclosure hinges down as an assembly for easy access to lamps and ballast from below without tools.
- T-hinges provide secure retention of enclosure and eliminate non-captive parts to hold during servicing.
- Guide-post spring loaded latches allow easy opening and closing of the enclosure.
- Choice of center sections includes diffuser acrylic with smooth or ribbed surface, round perforated steel with overlay or white radial louver with overlay.
- Smooth side diffusers standard, ribbed optional.
- Any center section can be used with either side diffuser.

- One piece die-formed embossed steel housing provides added rigidity, resists damage during shipment/handling.
- Wieway cover is easily removable without tools for quick bailout or wiring access from below.
- T-bar grid clips are built into luminaire ends for quick and easy installation, no extra parts required.

[illegible]

0169.2-AR

PHILIPS
Day-Brite

2' x 4' Soft Race

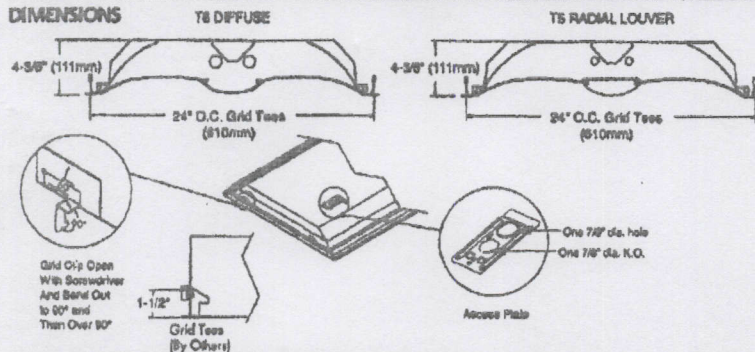
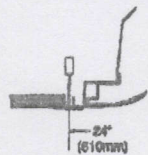
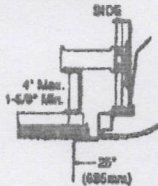
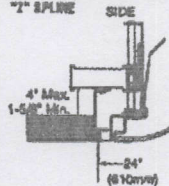
PHILIPS
Day-White

ENERGY DATA

Lamp Type	Ballast Type	Input Power (120/277V)	Electrical System Lumens/Watt	
			Std. Lamps ^a	Hi-Lumen Lamps
28	EB05	90W / 60W	95	100
	EBSD05@N	90W / 50W	95	100
	EBSD05@10	20W / 20W	78	75
	EB115	72W / 71W	94	90
	EBSD115@N	72W / 71W	94	90
	EBSD115@10	36W / 36W	80	81
32	EB	90W / 61W	95	100
	EB101	90W / 60W	85	84
	EB10R	62W / 60W	82	81
	ESL	47W / 47W	82	102
	EBH	77W / 77W	87	87
	EBSD@N	57W / 50W	86	87
S4HO	EB	29W / 28W	80	80
	EBSD00@N	120W / 117W	80	-
	EBSD00@10	90W / 83W	86	-
		52W / 51W	78	-

^aStandard lamp T8 values assume 70+CRI 32W lamp. 80+CRI lamps or energy saving lamps are also available.

DIMENSIONS

2 51 G 2 32
EZK100 TYPEG = GRID (NEMA G)
SIDENEMA Type G)
Lay-in acoustic ceiling using
exposed grid suspension, with
tees for flange on 24" x 48"
spacing.F = FLANGE (NEMA F)
SIDENEMA Type F)
Flange for acoustic ceiling
using concealed mechanical
suspension. Swing-jack
mounting brackets
adjustment 4" max. and 1-5/8"
min. Refer to sheet 801-CL for
out-out information.Z = (NEMA HX) MODULAR AND
"Z" SPLINE
SIDENEMA HXZ)
Modular and "Z" Spline using
concealed mechanical
suspension. Swing-jack
mounting brackets adjustment
4" max. and 1-5/8" min.

0169.2-AR